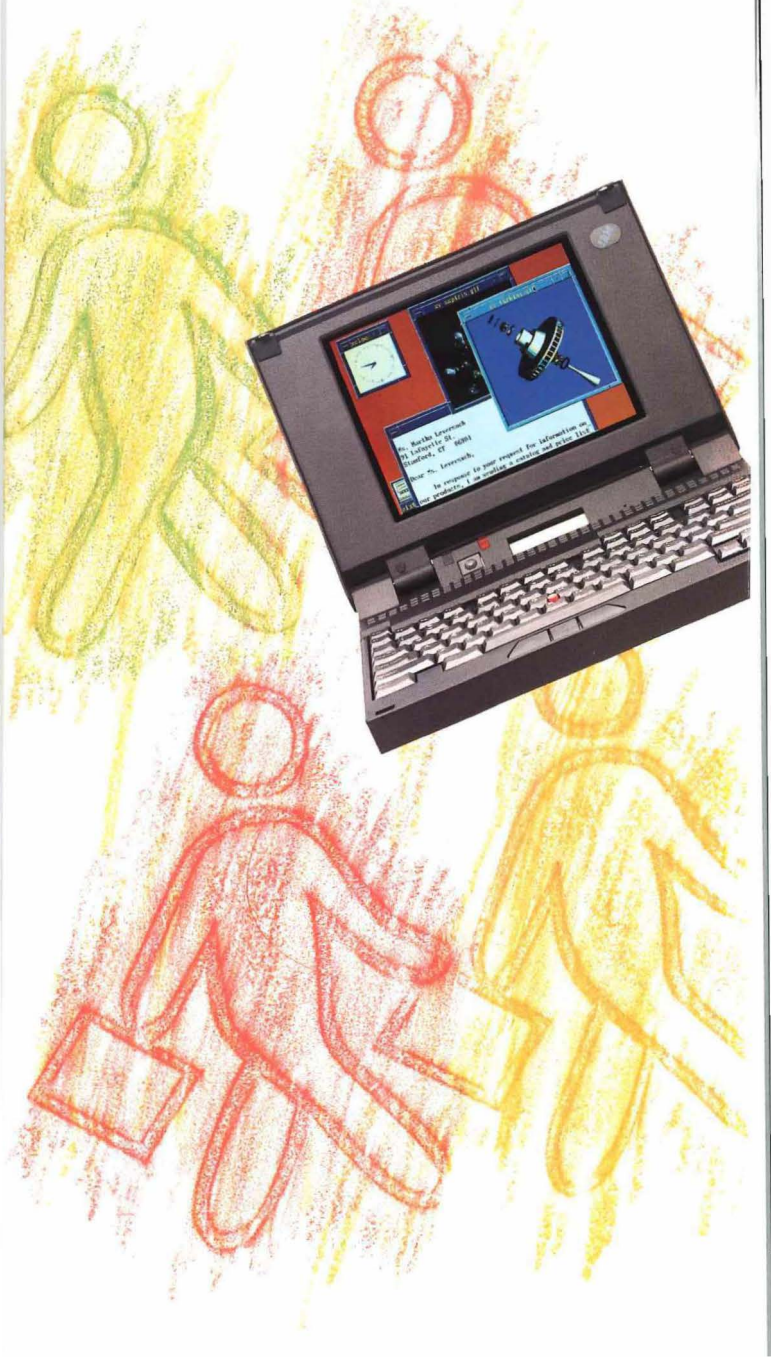
IBM

RISC System/6000 N40

Introducing the world's most powerful, UNIX-based notebook workstation



Now you can take the power of AIX wherever you go

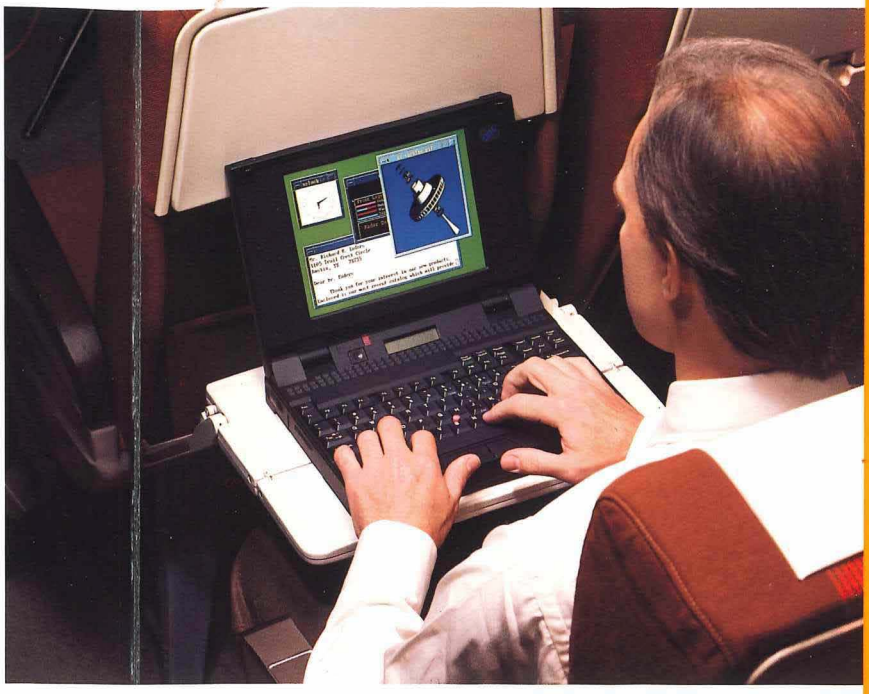
Let's face it. If you work in the UNIX® world, you know how limiting your world can be. Not in terms of capability, of course, but in terms of mobility. That's because there's never been a notebook that would let you pack the power of UNIX–until now.

Now IBM changes that with the newest member of its RISC System/6000® family, the N40 notebook workstation. As the name implies, it combines power and mobility in ways you've never seen before. In fact, the N40 is designed to be the most powerful UNIX notebook available.

One reason why is that it's based on the breakthrough PowerPC 601™ microprocessor. This innovative new microprocessor–the first developed through the joint effort of Motorola,® IBM and Apple®–is already making a name for itself as the power plant behind some of the newest, high-performance workstations in the RISC System/6000 family. Rated at 50MHz with a 32KB unified instruction and data cache, it delivers power and performance comparable to those in much larger systems.

But power is only half the story behind the N40. By providing an AIX® platform in a 6.9-lb. package, the N40 gives application developers, software representatives, field scientists and others the ability to run business-critical applications or demonstrate their products anywhere they go.

Here's what RISC System/6000 N40 features mean for you



Feature	Benefits
PowerPC Architecture™	• Provides the performance to drive industrial-strength applications • Gives you an efficient and powerful system based on the exciting, new industry standard
AIX for N40 Version 1.1	• Based on AIX/6000 and optimized for the mobile computing environment • Provides application compatibility with AIX/6000 Version 3.2.5 and the IBM RISC System/6000 family • Comes preinstalled on the system
Standard integrated adapters	• Provide many communication functions and peripheral device attachment without tying up PCMCIA slots or requiring bulky, optional adapters
Removable disk drives	• Provide up to 340MB of storage • Allow different users to install their own applications on personal drives and share the use of the N40 • Maintain data security and integrity
Color TFT display	• Provides 256 crisp, bright colors • Permits easier wide-angle viewing • Offers up to 1,280 x 1,024 pixel images
Pan and zoom feature	• Manipulates images for detailed views
TrackPoint II	• Permits easier cursor control • Allows you to keep your fingers on the keyboard in a more natural position • Provides more freedom than a mouse, which requires additional space for using and packing, and is easy to misplace or leave behind

Opening a new standard in open systems features

The power of UNIX. The mobility of a notebook. What more could you ask for? Well, with the N40 you get much more. Like key operating features and functions that make the N40 unique in the world of open systems computing. These include:

- ***Preinstalled AIX***–It comes with AIX for N40 Version 1.1 already installed. Based on AIX/6000™ Version 3.2.5, but customized for the notebook environment, this operating system lets you go where you're needed and still bring the power of your AIX/6000-compatible applications.

- ***Clear, crisp color display***–The high-resolution, 9.4-inch TFT active matrix screen offers easy viewing of 640 x 480 pixel images. The LCD screen supports 256 colors, and there's also a pan and zoom function for viewing 1,280 x 1,024 images.

- ***Expandable memory***–The N40 comes with a full 16MB of internal memory and is easily expandable to 64MB, opening the door to run your robust UNIX applications.

- ***Removable 340MB hard drive***–Removable hard drive provides data security and flexibility for customized user environments. It also allows several people to use the N40 and keep their own data and applications on individual hard drives.

- ***All the right connections***–To help you keep in touch when you're on the road, the N40 has built-in Ethernet and a high-speed data/fax modem, as standard features.

- ***Easy-to-use TrackPoint™ II***–This unique eraser-size control is built right into the keyboard between the "G" and "H" keys. This provides you with easy, ergonomic access to the cursor so your hands never have to leave the typing position–as they would with a mouse or off-center trackball.

- ***Room to grow***–For versatility and easy expandability, the N40 supports PCMCIA cards that offer a growing variety of functions like Token-Ring support. In addition to the serial and parallel ports, the SCSI expansion port enables attachment of additional storage and media devices.

- ***Words and music***–With its built-in speaker and microphone, the N40 is ready to run new applications, such as multimedia.

- ***Plenty of power***–Two internal rechargeable battery packs offer one-and-one-half hours of operation under normal circumstances. For longer work sessions, the snap-on external battery pack[1] can power the N40 for up to four hours.

The potential is obvious

With those kinds of features, it's easy to see how the IBM RISC System/6000 N40 can expand the boundaries of productivity. Since it was designed to take advantage of the latest mobile communications technology, it provides greater versatility and flexibility for anyone who works with AIX/6000 applications and wants to take his or her work along.

This means the N40 can become many things to many types of professionals. For application developers, the N40 turns any telephone jack into a development workstation. For software representatives, it becomes a portable demonstration system. And for field professionals, such as those in the oil and gas industry, the N40 becomes a mobile geology lab. It can also be an ideal productivity tool for architects, construction engineers, and mobile support people accessing Geographical Information Systems (GIS) or reference manuals.

Of course, the N40 is right at home back in the office, too. For example, you can use the N40's integrated Ethernet port to connect to your LAN. Or attach a full-sized display and keyboard to the ports provided as standard features on the N40.

What it all comes down to is the power the N40 gives you to make the most of your organization's investments in AIX/6000 applications, mission-critical data, RISC System/6000 hardware and the time and skills of your people. No matter where they use them.

RISC System/6000 N40 at a glance

Processor	• 50MHz PowerPC 601 with 32KB data and instruction cache • 41.7 SPECint92[2] • 51 SPECfp92[3] • 2.58 Xmark[4]
Memory	• 16MB; expandable to 64MB
Display	• 9.4-inch active TFT color screen
Standard functions	• 340MB removable hard disk drive • Integrated full-function data/fax modem • PCMCIA support: two Type 1 or Type 2 adapters; or one Type 3 PCMCIA adapter • Integrated SCSI-2, Ethernet and ISDN ports • Internal microphone and speaker • Audio ports for external speakers • External display, keyboard and mouse ports
Operating system	• AIX for N40 Version 1.1 (preinstalled) system
Keyboard	• U.S. 85-key or 86-key with embedded numeric keypad and integrated TrackPoint II pointing device
Power supply	• 60 watts; AC adapter • Rechargeable internal NiMH battery pack • Rechargeable external NiCd battery pack
Size	• 2.0"high x 11.8"wide x 8.5"deep (51mm x 290mm x 216mm)
Weight	• 6.9lbs. (3.1kg)
Warranty	• 1-year on system hardware

So if you work in the world of UNIX and need to have the right information right at your fingertips, contact your IBM marketing representative, IBM Business Partner or dial IBM Direct at 1 800 IBM-CALL (1 800 426-2255). Tell them you want to start taking advantage of the world's most powerful notebook computer–right away.

Want more information fast? We'll fax you information on this or any other member of the IBM RISC System/6000 and AIX/6000 family immediately. Call 1 800 IBM-4FAX (1 800 426-4329) right now.

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IBM United States
Department ZV0
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[1] The IBM RISC System/6000 N40 External Battery Pack and the External SCSI-2 Diskette Drive have not been approved by the Federal Communications Commission. These devices are not, and may not be, offered for sale or lease, or sold or leased until the approval of the FCC has been obtained.

[2] Values shown here are the results of development-level systems. While these values should be indicative of generally available systems, no warranties or guarantees are stated or implied by IBM. IBM recommends application-oriented testing for performance predictions and offers the above commonly reported benchmarks only as an initial indicator. Additional information on these tests is available from your IBM Branch Office or IBM Authorized Reseller.

SPECint92 is the geometric mean of six integer tests which comprise the CINT92 benchmark suite. All of these are written in C language.

[3] SPECfp92 is the geometric mean of 14 tests that represent the CFP92 benchmark suite. Five of the tests are single precision while the remaining nine are double precision. Two tests are written in C language and the rest are written in FORTRAN.

[4] The Xmark rating is a weighting of 532 tests executed in the X11 perf suite and is an indicator of 2D graphics performance in an X environment.

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